

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: PRESSES					
PRESS, A, HYSKO HYDRAULIC PRESS, ELECTRIC OIL HEATER, 48 KW A/N:	D175			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.5, D323.1, H23.5, K67.4
PRESS, C, HYSKO HYDRAULIC PRESS, ELECTRIC, 185 KW A/N:	D177			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.5, D323.1, H23.5, K67.4
PRESS, E, ACCUDYNE HYDRAULIC PRESS, ELECTRIC, 60 KW A/N:	D178			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.5, D323.1, H23.5, K67.4
PRESS, F, ELECTRIC, 75 KW A/N:	D179			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.5, D323.1, H23.5, K67.4
PRESS, G, ELECTRIC, 75 KW A/N:	D180			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.5, D323.1, H23.5, K67.4
PRESS, C/SIC NO. 1, ELECTRIC 48 KW A/N:	D206			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.10, C6.20, D323.1, E193.1, H23.5, K67.4
Process 2: STEAM GENERATION					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: STEAM GENERATION					
BOILER, NATURAL GAS, HERCULES, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 10.5 MMBTU/HR WITH A/N: 223656 BURNER, NATURAL GAS, COEN, MODEL SDAF-10, WITH LOW NOX BURNER, 10.5 MMBTU/HR	D4		NOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, D12.4, D328.1, E113.1
BOILER, NATURAL GAS, HERCULES, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 12.6 MMBTU/HR WITH A/N: 223655 BURNER, NATURAL GAS, COEN, MODEL SDAF-12, WITH LOW NOX BURNER, 12.6 MMBTU/HR	D5		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1, E113.1
Process 3: EMERGENCY POWER					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, PROPANE, KOHLER, MODEL 85H272, 164 HP A/N: 291519	D120		NOX: PROCESS UNIT**	NOX: 139 LBS/1000 BBLS PROPANE (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.4, D135.1, K67.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: EMERGENCY POWER					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, JOHN HEERE, MODEL 6081T, 6 CYLINDERS, WITH TURBOCHARGER, 211 BHP A/N: 336990	D148		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.4, E448.1, K67.1, K67.8
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 8 CYLINDERS, TURBOCHARGED, RICH BURN, PROPANE, CUMMINS, MODEL 125GGLA, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, 186 BHP WITH A/N: 460487	D199	C201	NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 2005, 5-6-2005]; NOX: 139 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; ROG: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	C1.4, C6.17, E115.1, K67.1
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY	C201	D199			

* (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: EMERGENCY POWER					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 8 CYLINDERS, TURBOCHARGED, RICH BURN, PROPANE, KOHLER, MODEL 100RZG, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, 162 BHP WITH A/N: 460488	D200	C202	NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 2005, 5-6-2005]; NOX: 139 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; ROG: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	C1.4, C6.18, E115.1, K67.1
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY	C202	D200			
Process 4: SPRAY COATING					
SPRAY COATING OPERATION, 15 FT W. X 33 FT- 10 IN L. X 9 FT-6 IN H., TWENTY 20"X20"X1" 2-PLY PRE FILTERS,, TWENTY 20"X20"X12" 4-PLY POCKET FILTERS AND EIGHT 24"X24"12" HEPA FILTERS, WITH SPRAY BOOTH A/N: 462665	D11			PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	C6.16, D322.1, E175.3, H23.3, K67.4, K67.7
SPRAY COATING OPERATION, MODEL BW- 161624, 16.3 FT W. X 20 FT L. X 16.2 FT H., WITH PRE-FILTERS, POCKET FILTERS AND HEPA FILTERS, WITH SPRAY BOOTH A/N:	D135			PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.1, A63.3, B59.2, B59.7, C1.5, C1.9, C1.10, C6.1, D322.1, E175.1, H23.3, K67.4, K67.7

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: SPRAY COATING					
SPRAY COATING OPERATION, BRAKES SPRAY BOOTH, MODEL M3W-0608, 6.33 FT W. X 7.66 FT L. X 8.16 FT H., WITH SPRAY BOOTH A/N: 523055	D212			PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.6, B59.11, C1.11, C1.12, C1.13, C6.22, D322.1, E175.2, H23.2, K67.7, K67.10
Process 5: STORAGE/ PROCESS TANKS					
STORAGE TANK, FIXED ROOF, NO. 27, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C12429	D15	C38			
STORAGE TANK, FIXED ROOF, NO. 28, HYDROCHLORIC ACID, HEIGHT: 8 FT 9 IN; DIAMETER: 10 FT A/N: C12433	D16	C38			
STORAGE TANK, FIXED ROOF, NO. 29, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C12431	D17	C38			
STORAGE TANK, FIXED ROOF, NO. 30, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C12432	D18	C38			
STORAGE TANK, FIXED ROOF, NO. 33, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20529	D19	C38			
STORAGE TANK, FIXED ROOF, NO. 34, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20531	D20	C38			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: STORAGE/ PROCESS TANKS					
TANK, NO. 35, HYDROCHLORIC ACID, MIXING, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20533	D21	C38			
STORAGE TANK, FIXED ROOF, NO. 36, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20530	D22	C38			
STORAGE TANK, FIXED ROOF, NO. 1, HYDROCHLORIC ACID, 5300 GALS A/N: 197426	D23	C38			
STORAGE TANK, FIXED ROOF, NO. 2, HYDROCHLORIC ACID, 5300 GALS A/N: 197426	D24	C38			
STORAGE TANK, FIXED ROOF, NO. 4, HYDROCHLORIC ACID, 3000 GALS A/N: 197426	D25	C38			
STORAGE TANK, FIXED ROOF, NO. 5, HYDROCHLORIC ACID, 3000 GALS A/N: 197426	D26	C38			
TANK, NO. 6, HYDROCHLORIC ACID, LEACHING, 3000 GALS A/N: 197426	D27	C38			
TANK, HYDROCHLORIC ACID, MIXING/LEACHING, 470 GALS A/N: 197426	D31	C38			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: STORAGE/ PROCESS TANKS					
TANK, NO. 21, LEACHING, WIDTH: 3 FT 10 IN; HEIGHT: 8 FT 1 IN; LENGTH: 3 FT 10 IN A/N: A29848	D32	C38			
PROCESS TANK, NO. 22, LEACHING, WIDTH: 4 FT ; HEIGHT: 7 FT 2 IN; LENGTH: 4 FT 6 IN A/N: A29848	D33	C38			
PROCESS TANK, NO. 23, LEACHING, WIDTH: 4 FT ; HEIGHT: 7 FT 2 IN; LENGTH: 4 FT 6 IN A/N: A29848	D34	C38			
PROCESS TANK, NO. 33, LEACHING, WIDTH: 4 FT 6 IN; HEIGHT: 6 FT 5 IN; LENGTH: 4 FT 8 IN A/N: C15310	D35	C38			
PROCESS TANK, NO. 34, LEACHING, WIDTH: 4 FT 6 IN; HEIGHT: 6 FT 5 IN; LENGTH: 6 FT A/N: C15310	D36	C38			
TANK, SUMP, SPENT ACID RECOVERY, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT 9 IN A/N: C11514	D37	C38			
SCRUBBER, WITH MIST ELIMINATOR, WIDTH: 8 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT A/N: C35970	C38	D15 D16 D17 D18 D19 D20 D21 D22 D23 D24 D25 D26 D27 D31 D32 D33 D34 D35 D36 D37 D138		PM: (9) [RULE 404, 2-7-1986]	C8.2, C10.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: STORAGE/ PROCESS TANKS					
TANK, NO. 26, HYDROCHLORIC ACID A/N: 337974	D138	C38			
Process 6: FURNACES					
FURNACE, ELECTRIC, 350 KW A/N: 256840	D42	C133 C211			C1.1
FURNACE, ELECTRIC, 11D, 750 KW A/N: 331832	D43	C133 C211			B27.1
FURNACE, ELECTRIC, 11G, 600 KW A/N: 393621	D44	C133 C211			
FURNACE, ELECTRIC, 420 KW A/N: 144209	D45	C133 C211			C1.2, C6.3
FURNACE, ELECTRIC, 11J, 600 KW A/N: 393622	D46	C133 C211			
FURNACE, ELECTRIC, 11E, 750 KW A/N: 331833	D47	C133 C211			B27.1
FURNACE, ELECTRIC, 11F, 580 KW A/N: C39613	D48	C133 C211			
FURNACE, ELECTRIC, 11C, 750 KW A/N: 344591	D49	C133 C211			
FURNACE, ELECTRIC, 11B, 280 KW A/N: C39609	D50	C133 C211			
FURNACE, ELECTRIC, 11A, 750 KW A/N: 331830	D51	C133 C211			B27.1
FURNACE, ELECTRIC, 230 KW A/N: C16605	D52	C133 C211			
FURNACE, ELECTRIC, NO. 3, 180 KW A/N: A20706	D54	C72			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: FURNACES					
FURNACE, NATURAL GAS, 4 MMBTU/HR A/N: 234232	D59		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D323.1
FURNACE, NATURAL GAS, 1.4 MMBTU/HR A/N: 234411	D60		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.5, D323.1
FURNACE, NATURAL GAS, 3.24 MMBTU/HR A/N: 234410	D61		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.5, D323.1
FURNACE, NATURAL GAS, 4 MMBTU/HR A/N: 234233	D62		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.5, D323.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: FURNACES					
AFTERBURNER, NATURAL GAS, 2 MMBTU/HR A/N: A20614	C72	D54	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D182.2, D182.3
FURNACE, NATURAL GAS, 1.8 MMBTU/HR A/N: 305441	D130	C133 C211	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
AFTERBURNER, HOT ROCK, TELLKAMP, NATURAL GAS, 2.7 MMBTU/HR A/N: 344772	C133	D42 D43 D44 D45 D46 D47 D48 D49 D50 D51 D52 D80 D130	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D182.1, D182.2
AFTERBURNER, HOT ROCK, TELLKAMP, MODEL NO. ROXIDIZER 25, 12 FT 6 IN W. X 26 FT L. X 11 FT 8 IN H., NATURAL GAS, 25,000 CFM, WITH 5 MM BTU/HR GAS INJECTION SYSTEM, 2.4 MMBTU/HR A/N: 492308	C211	D42 D43 D44 D45 D46 D47 D48 D49 D50 D51 D52 D80 D130	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A72.1, C409.1, D328.2, E193.2
Process 7: OVENS					
OVEN, ELECTRIC, D, 100 KW A/N: 271071	D80	C133 C211			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: OVENS					
OVEN, NATURAL GAS, 1 MMBTU/HR A/N: A53189	D82	C87	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
AFTERBURNER, 12-156, NATURAL GAS, 1 MMBTU/HR A/N: A53190	C87	D82	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, D28.1
OVEN, NO. 1, NATURAL GAS, 2.2 MMBTU/HR A/N: A20663	D84	C92	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
AFTERBURNER, 12-59, NATURAL GAS, 0.168 MMBTU/HR A/N: A20611	C92	D84	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, D28.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: OVENS					
OVEN, NO. 2, NATURAL GAS, 2.2 MMBTU/HR A/N: A20664	D85	C90	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
AFTERBURNER, 12-60, NATURAL GAS, 0.168 MMBTU/HR A/N: A20612	C90	D85	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, D28.1
OVEN, NO. 3, DESPATCH, NATURAL GAS, 0.5 MMBTU/HR A/N:	D167		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4
OVEN, NO. 28, DESPATCH, S-200, NATURAL GAS, 1 MMBTU/HR A/N:	D168		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: OVENS					
OVEN, NO. U01, DESPATCH, NATURAL GAS, 1 MMBTU/HR A/N:	D172		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4
OVEN, NO. 20, DESPATCH, NATURAL GAS, 1.5 MMBTU/HR A/N:	D173		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4
OVEN, NO. 4017, HONEYCOMB, DESPATCH, MODEL V-41, ELECTRIC, 70 KW A/N:	D188			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.5, B59.8, C6.5, K67.4
OVEN, COATING & CLIPPING OVEN, BLUE M ELECTRIC, MODEL NO. MP-607G-HP, ELECTRIC, 36 KW A/N:	D189			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.5, B59.8, C6.14, K67.4
OVEN, RACING BRAKES OVEN, DESPATCH, MODEL NO. VRE-2-35-1, ELECTRIC, 32 KW A/N:	D190			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.5, B59.8, C6.9, K67.4
OVEN, BRAKES NEW BUSINESS, BLUE M ELECTRIC, MODEL NO. DCSA-806-G-MP550, ELECTRIC, 48 KW A/N:	D191			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.5, B59.8, C6.12, K67.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: OVENS					
OVEN, ELECTRIC, NO. 7, DESPATCH, 7 FT 2 IN W. X 6 FT 6 IN L. X 7 FT 7 IN H., 68 KW A/N:	D208			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.10, C6.19, E193.1, K67.4
Process 8: ABRASIVE BLASTING					
System 1: No. 1 Abrasive Blasting System					
ABRASIVE BLASTING, ROOM, WIDTH: 12 FT ; HEIGHT: 8 FT ; LENGTH: 12 FT WITH A/N: 301829 ABRASIVE BLASTING NOZZLE, DIAMETER: .31 IN; 90 PSIG	D121	C123		PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]	D323.1
BAGHOUSE, ICM INC., 2057 SQ.FT.; 16 BAGS A/N: 301829	C123	D121		PM: (9) [RULE 404, 2-7-1986]	D322.2, D381.2, E102.1, K67.3
Process 9: AUTOCLAVES/HYDROCLAVES					
AUTOCLAVE, HYDROCLAVE T-1 OR HEAT TREATING SYSTEM H-9, 55.4 CU.FT. WITH A/N: 286631 HEATER, NATURAL GAS, WESTERN CONBUSTION, 15 MMBTU/HR	D111		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.3, D12.4, H23.5
AUTOCLAVE, A-1, HARRIS, ELECTRIC, 83 KW A/N:	D164			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.7, H23.5, K67.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: AUTOCLAVES/HYDROCLAVES					
AUTOCLAVE, A-9, MATHEWS STEEL, ELECTRIC, 104 KW A/N:	D165			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.5, H23.5, K67.4
AUTOCLAVE, H-7 (HYDROCLAVE), WITH TWO ELECTRIC BOILERS, SUSSMAN, MODEL NO. SVS-420, 420 KW EACH A/N:	D166			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.11, H23.5, K67.4
AUTOCLAVE, A-10, BARON BLAKESLEE, MODEL NO. BAC 710, ELECTRIC, 416 KW A/N:	D169			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.7, H23.5, K67.4
AUTOCLAVE, A-11, THERMAL EQUIPMENT, ELECTRIC, 665 KW A/N:	D170			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.11, H23.5, K67.4
AUTOCLAVE, A-13, HITCO/NS&L, ELECTRIC, 1200 KW A/N:	D171			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.14, H23.5, K67.4
AUTOCLAVE, A-12, FUEL ENGINEERS, ELECTRIC, 665 KW A/N:	D174			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.11, H23.5, K67.4
AUTOCLAVE, SEMICARB, THERMAL EQUIPMENT, MODEL NO. 8511, ELECTRIC, 85 KW A/N:	D195			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.8, C6.14, H23.5, K67.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: AUTOCLAVES/HYDROCLAVES					
AUTOCLAVE, CUSTOM MADE, THERMAL EQUIP. CORP., 20 FT DIA. X 50 FT., NATURAL GAS, 100 H.P. COMBUSTION BLOWER, 1000 H.P. AUTOCLAVE FAN, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 24 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, NORTH AMERICAN MFG., MODEL 4796-20/X7467, WITH LOW NOX BURNER, 24 MMBTU/HR	D203		NOX: LARGE SOURCE**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 2000 PPMV NATURAL GAS (5) [RULE 409, 8-7-1981]; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 407, 4-2-1982]	A63.1, A63.3, B59.9, D328.2, E133.1, E440.1, H23.5, I296.1, K67.9
AUTOCLAVE, NO. 14, R&D, 4 FT 2 IN W. X 7 FT 7 IN L., ELECTRIC A/N:	D209			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.10, C6.19, E193.1, H23.5, K67.4
AUTOCLAVE, NO. 17, R&D, 4 FT 2 IN W. X 7 FT 7 IN L., ELECTRIC A/N:	D210			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.10, C6.19, E193.1, H23.5, K67.4
AUTOCLAVE, A-19, 10 FT DIAMETER X 35 FT LONG., ELECTRIC 650 KW A/N: 517348	D213			PM: (9) [RULE 404, 2-7-1986]	A63.6, B59.12, C6.9, E193.3, H23.5, K67.10

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: AUTOCLAVES/HYDROCLAVES					
AUTOCLAVE, A-20, 3 FT DIAMETER X 25 FT LONG., ELECTRIC, 81 KW A/N:	D214			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.7, B59.13, C6.23, E193.4, H23.5, K67.10
AUTOCLAVE, A-21, 3 FT DIAMETER X 25 FT LONG., ELECTRIC, 81 KW A/N:	D215			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.7, B59.13, C6.23, E193.4, H23.5, K67.10
AUTOCLAVE, A-22, 3 FT DIAMETER X 25 FT LONG., ELECTRIC, 81 KW A/N:	D216			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.7, B59.13, C6.23, E193.4, H23.5, K67.10
AUTOCLAVE, A-23, 3 FT DIAMETER X 25 FT LONG., ELECTRIC, 81 KW A/N:	D217			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.7, B59.13, C6.23, E193.4, H23.5, K67.10
AUTOCLAVE, A-24, 3 FT DIAMETER X 25 FT LONG., ELECTRIC, 81 KW A/N:	D218			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.7, B59.13, C6.23, E193.4, H23.5, K67.10
AUTOCLAVE, A-25, 3 FT DIAMETER X 25 FT LONG., ELECTRIC, 81 KW A/N:	D219			PM: (9) [RULE 404, 2-7-1986]	A63.3, A63.7, B59.13, C6.23, E193.4, H23.5, K67.10
Process 10: MISCELLANEOUS					
HOPPER A/N: A29846	D95	C96		PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, REESE BLOW PIPE MFG. CO., 230 SQ.FT. A/N: A29845	C96	D95		PM: (9) [RULE 404, 2-7-1986]	D322.2, D381.1, E102.1, K67.3
COATER, ROLL, HONEYCOMB A/N:	D205			PM: (9) [RULE 404, 2-7-1986]	A63.3, B59.10, C6.21, E193.1, K67.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULE					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E151			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.5
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E152			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E153			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4
RULE 219 EXEMPT EQUIPMENT, SPRAY COATING ENCLOSURES, < 8 FT3 INTERNAL VOLUME	E155			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E156			VOC: (9) [RULE 1168, 10-3-2003; RULE 1168, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D4	2	2	0
D5	2	2	0
D11	4	4	0
D15	5	5	0
D16	5	5	0
D17	5	5	0
D18	5	5	0
D19	5	5	0
D20	5	5	0
D21	6	5	0
D22	6	5	0
D23	6	5	0
D24	6	5	0
D25	6	5	0
D26	6	5	0
D27	6	5	0
D31	6	5	0
D32	7	5	0
D33	7	5	0
D34	7	5	0
D35	7	5	0
D36	7	5	0
D37	7	5	0
C38	7	5	0
D42	8	6	0
D43	8	6	0
D44	8	6	0
D45	8	6	0
D46	8	6	0
D47	8	6	0
D48	8	6	0
D49	8	6	0
D50	8	6	0
D51	8	6	0
D52	8	6	0

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D54	8	6	0
D59	9	6	0
D60	9	6	0
D61	9	6	0
D62	9	6	0
C72	10	6	0
D80	10	7	0
D82	11	7	0
D84	11	7	0
D85	12	7	0
C87	11	7	0
C90	12	7	0
C92	11	7	0
D95	17	10	0
C96	17	10	0
D111	14	9	0
D120	2	3	0
D121	14	8	1
C123	14	8	1
D130	10	6	0
C133	10	6	0
D135	4	4	0
D138	8	5	0
D148	3	3	0
E151	18	11	0
E152	18	11	0
E153	18	11	0
E155	18	11	0
E156	18	11	0
D164	14	9	0
D165	15	9	0
D166	15	9	0
D167	12	7	0
D168	12	7	0
D169	15	9	0

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D170	15	9	0
D171	15	9	0
D172	13	7	0
D173	13	7	0
D174	15	9	0
D175	1	1	0
D177	1	1	0
D178	1	1	0
D179	1	1	0
D180	1	1	0
D188	13	7	0
D189	13	7	0
D190	13	7	0
D191	13	7	0
D195	15	9	0
D199	3	3	0
D200	4	3	0
C201	3	3	0
C202	4	3	0
D203	16	9	0
D205	17	10	0
D206	1	1	0
D208	14	7	0
D209	16	9	0
D210	16	9	0
C211	10	6	0
D212	5	4	0
D213	16	9	0
D214	17	9	0
D215	17	9	0
D216	17	9	0
D217	17	9	0
D218	17	9	0
D219	17	9	0

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10 TONS IN ANY 12-MONTH PERIOD
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25 TONS IN ANY 12-MONTH PERIOD

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[40CFR 63 Subpart GG, 4-20-2006]

F2.2 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 833 LBS IN ANY ONE MONTH

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, the VOC emission limit shall be based on the total combined VOC emissions from all the equipment and processes subject to Rule 442.

To ensure compliance with the VOC Volatile Organic Compound(VOC) emission limit(s) of this condition, the operator shall comply with the following recordkeeping requirements:

- (1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (2) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment and operations covered by the monthly emission limit(s). The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for five years.

[RULE 442, 12-15-2000]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 40 LBS IN ANY ONE DAY

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D135, D203]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 81 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment subject to this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D135, D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D177, D178, D179, D180, D188, D189, D190, D191, D195, D203, D205, D206, D208, D209, D210, D214, D215, D216, D217, D218, D219]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 20 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment subject to this condition.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D167, D168, D172, D173, D188, D189, D190, D191]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 450 LBS IN ANY CALENDAR MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment operating under device numbers D212 (spray booth) and D213 (autoclave).

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D212, D213]

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 900 LBS IN ANY CALENDAR MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment operating under device numbers D214 (autoclave), D215 (autoclave), D216 (autoclave), D217 (autoclave), D218 (autoclave), D219 (autoclave).

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D214, D215, D216, D217, D218, D219]

- A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for ROG during the normal operation of the equipment it vents.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C211]

B. Material/Fuel Type Limits

- B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D43, D47, D51]

- B59.2 The operator shall not use the following material(s) in this device :

any kind of powder coating

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D135]

- B59.5 The operator shall not use the following material(s) in this device :

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Materials contaminated with rubber, plastic, paper, rags, oil, grease

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D60, D61, D62]

B59.7 The operator shall not use the following material(s) in this device :

Materials containing more than 25 percent by weight of strontium chromate, 0.0185 percent by weight of formaldehyde, 0.00352 percent by weight of benzene and 0.00067 percent by weight of cadmium

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with a date of listing May 2, 2003 or earlier, except strontium chromate, formaldehyde, benzene, cadmium, toluene, xylenes, and MEK (CAS No. 78-93-3).

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D135]

B59.8 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with a date of listing of June 15, 2001 or earlier, except formaldehyde, isopropyl alcohol, phenol, xylene, toluene, benzene, methanol, ethyl benzene, and EGME (CAS No. 109-86-4).

[RULE 1401, 6-15-2001]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D177, D178, D179, D180, D188, D189, D190, D191, D195]

B59.9 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 4, 2005 or earlier.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D203]

B59.10 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table I with an effective date of March 4, 2005 or earlier with the exception of formaldehyde (CAS# 50-00-0), isopropyl alcohol (CAS# 67-63-0) and phenol (CAS# 108-95-2).

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D205, D206, D208, D209, D210]

B59.11 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table I with an effective date of June 5, 2009 or earlier with the exception of benzene (CAS# 71-43-2), ethylbenzene (CAS# 100-41-4), toluene (CAS# 108-88-3), xylene (CAS# 1330-20-7) and phosphoric acid (CAS# 7664-38-2).

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D212]

B59.12 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with an effective date of September 10, 2010 or earlier.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D213]

B59.13 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with an effective date of September 10, 2010 or earlier.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D214, D215, D216, D217, D218, D219]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 2000 lbs in any one day.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D42]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

C1.2 The operator shall limit the material processed to no more than 3000 lbs in any one day.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D45]

C1.3 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D111]

C1.4 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1110.2, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;
RULE 2012, 5-6-2005]**

[Devices subject to this condition : D120, D148, D199, D200]

C1.5 The operator shall limit the material processed to no more than 25 gallon(s) per year.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, material processed shall be defined as any primers, containing not more than 23.5 by weight of strontium chromate, used in the epoxy priming application.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D135]

- C1.8 The operator shall limit the natural gas fuel usage to no more than 10000 cubic feet per day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D167, D168, D172, D173]

- C1.9 The operator shall limit the material processed to no more than 35 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as any coatings, containing not more than 10% by weight of strontium chromate, used in the vapor barrier coating operation.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 5-2-2003; RULE 1469.1, 3-4-2005]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D135]

C1.10 The operator shall limit the material processed to no more than 35 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as any primers, containing not more than 25% by weight of strontium chromate, used in the polyamide priming application.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 5-2-2003; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D135]

C1.11 The operator shall limit the output to no more than 15 lb(s) in any one year.

For the purpose of this condition, the output shall be defined as emissions of benzene from this equipment.

The operator shall calculate the monthly emissions of benzene as follows:.

$$\text{lbs/month} = \text{total coating sprayed (gal/month)} \times \text{density (lbs/gal)} \times \text{benzene content (wt. fraction)}.$$

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D212]

C1.12 The operator shall limit the output to no more than 304 lb(s) in any one year.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, the output shall be defined as emissions of ethyl benzene from this equipment.

The operator shall calculate the monthly emissions of ethyl benzene as follows:.

$\text{lbs/month} = \text{total coating sprayed (gal/month)} \times \text{density (lbs/gal)} \times \text{ethyl benzene content (wt. fraction)}.$

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D212]

C1.13 The operator shall limit the output to no more than 1607 lb(s) in any one year.

For the purpose of this condition, the output shall be defined as emissions of phosphoric acid from this equipment.

The operator shall calculate the monthly emissions of phosphoric acid as follows:.

$\text{lbs/month} = \text{total coating sprayed (gal/month)} \times \text{density (lbs/gal)} \times \text{phosphoric acid content (wt. fraction)}.$

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D212]

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.5 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the exhaust filters.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D135]

- C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 3250 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the furnace.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D45]

- C6.5 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D165, D175, D177, D178, D179, D180, D188]

- C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 550 Deg F.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D167, D168, D172, D173]

- C6.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 650 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D164, D169]

- C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 850 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D190, D213]

- C6.11 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D166, D170, D174]

- C6.12 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 600 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D191]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- C6.14 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 750 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D171, D189, D195]

- C6.16 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 3.0 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the exhaust filters.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D11]

- C6.17 The operator shall use this equipment in such a manner that the oxygen concentration being monitored, as indicated below, does not exceed 0.5 percent.

To comply with this condition, the operator shall install and maintain an oxygen sensor to accurately indicate the oxygen concentration at the engine exhaust in mV.

In operation, the oxygen sensor reading shall be greater than 140 mV.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D199]

- C6.18 The operator shall use this equipment in such a manner that the oxygen concentration being monitored, as indicated below, does not exceed 0.5 percent.

To comply with this condition, the operator shall install and maintain an oxygen sensor to accurately indicate the oxygen concentration at the engine exhaust in mV.

In operation, the oxygen sensor reading shall be between 550 mV to 600 mV.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D200]

- C6.19 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 650 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the oven and autoclaves.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D208, D209, D210]

- C6.20 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the press.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D206]

- C6.21 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 300 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the honeycomb articulation machine.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D205]

- C6.22 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the exhaust filters.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D212]

- C6.23 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 425 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D214, D215, D216, D217, D218, D219]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the the combustion chamber. The operator shall also install and maintain a device to continuously record the combustion chamber temperature.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C87, C90, C92]

- C8.2 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 60 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution. The operator shall determine and record the parameter being monitored once every day.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C38]

- C10.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is maintained between 7 and 14 of the pH scale.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution. The operator shall also install and maintain a device to record the parameter being measured once every day. In lieu of the recorder, the operator shall maintain daily pH logs and make these logs available to any District representative upon request.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C38]

C409.1 The operator shall ensure that burner used in this equipment shall meet the following specified requirements:

The burner shall only be used for the start-up of the equipment before the process air stream from the manufacturing operations is introduced into the oxidizer and shall be used for less than 504 minutes in any one day..

A oxidizer burner operating monitor shall be installed and maintained to continuously measure and record the time the start-up burner is in operation in minutes per day. The burner operation monitoring and recording system shall be in operation whenever the equipment it serves is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C211]

D. Monitoring/Testing Requirements

D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

[RULE 2012, 5-6-2005]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D4, D111]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least once during the life of the permit.

The test shall be conducted to determine the VOC emissions using EPA Method 25 or 25A measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with Rule 442(e)--Control Requirement.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C87, C90, C92]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D120]

D182.1 The operator shall test this equipment in accordance with the following specifications:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C133]

D182.2 The operator shall test this equipment in accordance with the following specifications:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted at least once during the life of the permit.

The test shall be conducted no later than January 10, 2012 unless otherwise approved in writing by the District.

The test shall be conducted to determine the VOC emissions using an approved District method to demonstrate compliance with all applicable permit condition(s), Rules and Regulations.

The source test shall be conducted while the oxidizer is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source test is greater than the minimum operating temperature specified in this permit, the minimum operating temperature specified in this permit may be increased to reflect the operating temperature during the source test

The operator shall comply with administrative conditions nos. 8, 9, and 10 of section e of this facility permit

The operator shall submit two complete copies of the source test report specified in condition no. 9 of section e of this facility permit to the district engineering and compliance division. The engineering copy of the report shall be sent to: south coast air quality management district, coating, printing and aerospace operations, attn: air quality and compliance supervisor, 21865 copley drive, diamond bar, ca 91765. The compliance copy of the report shall be sent to: south coast air quality management

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C72, C133]

D182.3 The operator shall test this equipment in accordance with the following specifications:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,750 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,750 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,750 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C72]

D322.1 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D11, D135, D212]

D322.2 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C96, C123]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D59, D60, D61, D62, D95, D121, D175, D177, D178, D179, D180, D206]

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D4, D5]

- D328.2 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with CO limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D203, C211]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C96]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C123]

E. Equipment Operation/Construction Requirements

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C96, C123]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least once a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D5]

- E115.1 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D199, D200]

- E133.1 The operator shall maintain an interlock so that the burner can only be operated between 6.0 MM BTU/HR AND 24 MM BTU/HR firing rates, except during the start-up and shut-down periods.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D203]

- E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

Pre filters, pocket filters, and HEPA filters; and

The HEPA filters used in this equipment shall be individually DOP tested with 0.3 micron particles and certified to have an efficiency of not less than 99.99%.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D135]

E175.2 The operator shall not use this equipment unless all exhaust air passes through the following:

filter media at least 2 inches thick

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D212]

E175.3 The operator shall not use this equipment unless all exhaust air passes through the following:

Pre filters, pocket filters, and HEPA filters; and

The HEPA filters used in this equipment shall be individually DOP tested with 0.3 micron particles and certified to have an efficiency of not less than 99.97%.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D11]

E193.1 The operator shall construct this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

This permit shall expire if the construction of this equipment is not completed by 9-17-2009 unless an extension of time has been approved in writing by a District representative.

The operator shall notify a District representative when construction has been completed.

[RULE 202, 5-7-1976; RULE 205, 1-5-1990]

[Devices subject to this condition : D205, D206, D208, D209, D210]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,500 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,500 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,500 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C211]

E193.3 The operator shall construct this equipment according to the following requirements:

This permit shall expire if the construction of this equipment is not completed by 8-26-2012 unless an extension of time has been approved in writing by a District representative.

The operator shall notify a District representative when construction has been completed.

[RULE 202, 5-7-1976; RULE 205, 1-5-1990]

[Devices subject to this condition : D213]

E193.4 The operator shall construct this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

This permit shall expire if the construction of this equipment is not completed by X-X-XXXX unless an extension of time has been approved in writing by a District representative.

The operator shall notify a District representative when construction has been completed.

[RULE 202, 5-7-1976; RULE 205, 1-5-1990]

[Devices subject to this condition : D214, D215, D216, D217, D218, D219]

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel, and, if applicable, recirculated flue gas as the load varies. The control system shall be adjusted and tuned at least once a year according to the manufacturers specifications to maintain its ability to repeat the same performance at the same firing rate

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D203]

E448.1 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The engine shall not be operated more than 200 hours in any one year, which includes no more than 20 hours in any one year for maintenance and testing

Operation beyond 20 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or grid operator

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D148]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481

[RULE 109, 5-2-2003; RULE 481, 1-11-2002]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D212]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481
Chromium, Hexavalent	District Rule	1469.1

[RULE 109, 5-2-2003; RULE 1469.1, 3-4-2005; RULE 481, 1-11-2002]

[Devices subject to this condition : D11, D135]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : E153, E155, E156]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	442

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 442, 12-15-2000]

[Devices subject to this condition : D111, D164, D165, D166, D169, D170, D171, D174, D175, D177, D178, D179, D180, D195, D203, D206, D209, D210, D213, D214, D215, D216, D217, D218, D219]

I. Administrative

- I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the annual emissions increase for the first 12 months of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D203]

K. Record Keeping/Reporting

- K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log listing the date of operation, the elapsed time, in hours, and the reason for operation. Such logs shall be kept and maintained on file for a minimum of five years and made available to District personnel upon request.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D120, D148, D199, D200]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C96, C123]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The daily Volatile Organic Compound (VOC) emissions in pounds and VOC contents of each material as applied (including water and exempt solvents). All records shall be prepared in a format which is acceptable to the District, shall be retained for at least five years, and shall be made available to the District personnel upon request.

All current Material Safety Data Sheets (MSDS) for all VOC-containing materials used at this facility shall be made available to the District personnel upon request.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D11, D135, D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D177, D178, D179, D180, D188, D189, D190, D191, D195, D205, D206, D208, D209, D210]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E151]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

weekly record of pressure drop across the filter media

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D11, D135, D212]

- K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The engine operating log shall be kept and maintained on file to record when the engine is started manually. The log shall list the date of operation, the timer reading in hours at the beginning and end of operation, and the reason for operation

By January 15th of each year, the operator shall total and record the total hours of operation (including hours for both manual and automatic operation) for the previous calendar year

All records required by this permit shall be kept in a format that is acceptable to the District, shall be retained on the premises for five years, and made available to any District representative upon request

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D148]

- K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

In addition to the recordkeeping requirements in Rule 109, the operator shall keep adequate records of the materials processed in this equipment and the resultant VOC emissions on a daily basis to verify compliance with all permit conditions

The operator shall maintain adequate records for a period of five years to verify compliance with all the permit conditions

[**RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D203]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

In addition to the recordkeeping requirements in Rule 109, the operator shall keep adequate records for this equipment to verify the daily VOC emissions in pounds and the VOC content of each material as applied (including water and exempt compounds)

Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from this equipment. The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District Rules

The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing materials regulated by the district that were used or stored at the facility during the preceding 12 months

The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility

All current Material Safety Data Sheets (MSDS) for all VOC-containing materials used at this facility and subject to District Rules shall be made available to the District personnel upon request.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D212, D213, D214, D215, D216, D217, D218, D219]